PATENT

TED STATES PATENT AND TRADEMARK OFFICE

Applicants: Goelet et al.

Examiner: (from parent) Sisson, B.

Serial No.: 09/846,863

Group Art Unit: (from parent) 1655

Filed: May 1, 2001

Docket: 13020-2-DIV

For:

Single Nucleotide Polymorphisms

And Their Use in Genetic Analysis

Dated: May 15, 2001

Kalow & Springut LLP

488 Madison Avenue, 19th Flr

New York, NY 10022

Assistant Commissioner for Patents Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith the following disclosures in accordance with the provisions of 37 CFR 1.97 and 1.98.

I. U.S. PATENT DOCUMENTS

Patent No.	Date Issued	<u>Title</u>
4,582,788 to Erlich	April 15, 1986	HLA Typing Method and cDNA Probes Used Therein
4,683,194 to Saiki et al.	July 28, 1987	Method for Detection of Polymorphic Restriction Sites and Nucleic Acid Sequences
4,683,195 to Mullis et al.	July 28, 1987	Process for amplifying, detecting, and/or-cloning nucleic acid sequences
4,683,202 to Mullis	July 28, 1987	Process for amplifying nucleic acid sequences

Certificate of Mailing Under 37 C.F.R. 1.8

I hereby declare that this correspondence is being deposited with the United States Postal Service as

first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C.



Applicants: Goelet et al. Serial No.: 09/846,863 Docket: 13020-2-DIV

Information Disclosure Statement - May 15, 2001

Page 2

Patent No. 5,175,082 to Jeffreys	<u>Date Issued</u> December 29, 1992	<u>Title</u> Method of characterizing genomic DNA
5,200,314 to Urdea	April 6, 1993	Polynucleotide Capture Assay Employing in Vitro Amplification
5,234,811 to Beutler et al.	August 10, 1993	Assay for a New Gaucher Disease Mutation
5,266,459 to Beutler	November 30, 1993	Gaucher's Disease: Detection of a New Mutation in Intron 2 of the Glucocerebrosidase Gene
5,429,923 to Seidman et al.	July 4, 1995	Method for Detecting Hypertrophic Cardiomyophathy Associated Mutations
5,851,762 to Simons	December 22, 1998	Genomic Mapping Method By Direct Haplotyping Using Intron Sequence Analysis

II. FOREIGN PATENT DOCUMENTS

Publication No.	Country	Publication Date
EP 0050424	EP	28 April 1982
EP 0084796	EP	03 August 1983
EP 0201184	EP	17 December 1986
EP 0237362	EP	16 Sept. 1987
EP 0246864	EP	25 November 1987
EP 0258017	EP	02 March 1988
EP 0370719	EP	30 May 1990



Applicants: Goelet et al. Serial No.: 09/846,863

Docket: 13020-2-DIV

Information Disclosure Statement – May 15, 2001

Page 3

Publication No. UK 2135774	Country United Kingdom	Publication Date 05 Sept. 1984
FR 2650840	France	15 Feb. 1991
WO 89/10414	WIPO	02 Nov. 1989
WO 90/01069	WIPO	08 February 1990
WO 90/09455	WIPO	23 August 1990
WO 90/11369	WIPO	04 Oct. 1990
WO 90/13668	WIPO	15 Nov. 1990
WO 91/02087	WIPO	21 Feb. 1991
WO 91/10748	WIPO	25 July 1991
WO 91/14003	WIPO	19 Sept. 1991
WO 92/15712	WIPO	17 Sept. 1992
WO 92/16657	WIPO	01 October 1992

III. NON PATENT PUBLICATIONS

Chinault et al., Overlap hybridization screening: Isolation and characterization of overlapping DNA fragments surrounding the leu2 gene on yeast chromosome III, Gene, 5:111-126 (1979).

Clarke et al., Isolation of a yeast centromere and construction of functional small circular chromosomes, Nature 287:504-509 (1980).

Skolnick et al., Strategies for detecting and characterizing restriction fragment length polymorphisms (RFLPs), Cell Genet 32:58-67 (1982).

Mullis et al., Specific enzymatic amplification of DNA in vitro: The Polymerase Chain Reaction, Cold Spring Harbor Symposia on Quantitative Biology, Vol. LI pp. 263-273 (1986).



Applicants: Goelet et al. Serial No.: 09/846,863

Docket: 13020-2-DIV

Information Disclosure Statement – May 15, 2001

Armour, J.A.L. et al., Recent advances in minisatellite biology, FEBS Lett. 307:113-115 (1992).

Jones, L. et al., Identical twin marrow transplantation for 5 patients with chronic myeloid leukaemia: Role of DNA finger-printing to confirm monozygosity in 3 cases, Eur. J. haematol. 39:144-147 (1987).

Jeffreys, A.J. et al., DNA "Fingerprints" and Segregation Analysis of Multiple Markers in Human Pedigrees, Amer. J. Hum. Genet., 39:11-24 (1986).

Jeffreys, A.J. et al., Individual-specific fingerprints of human DNA, Nature, 316:76-79 (1985).

Gray, I.C. et al., Evolutionary transience of hypervariable minisatellites in man and the primates, Proc. R. Soc. Lond., 243:241-253 (1991).

Moore, S.S. et al., The Conservation of Dinucleotide Microsatellites among Mammalian Genomes Allows the Use of Heterologous PCR Primer Pairs in Closely Related Species. Genomics, 10:654-660 (1991).

Jeffreys, A.J. et al., DNA fingerprints of dogs and cats, Anim. Genet., 18:1-15 (1987).

Hillel, J. et al., DNA fingerprints of poultry, Anim. Genet., 20:145-155 (1989).

Hillel, J. et al., DNA Fingerprints Applied to Gene Introgression in Breeding Programs. Genet., 124:783-789 (1990).

Saiki, R. et al., A Novel Method for the Detection of Polymorphic Restriction Sites by Cleavage of Oligonucleotide Probes: Application to Sickle-Cell Anemia, Biotechnology, 3:1008-1012 (1985).

Rudolph, J. et al., Linkage of hyperkalaemic periodic paralysis in Quarter horses to the horse adult skeletal muscle sodium channel gene, Anim. Genet., 23:241-250 (1992).

Ng-Kwai-Hang, K. et al., Identification of K-Casien Genotype in Holstein Sires: A Comparison Between Analysis of Milk Samples from Daughters and Direct Analysis of Semen Samples from Sires by Polymerase Chain Reaction, J. Dairy Sci., 74:2410-2415 (1991).

White, M. et al., Detecting Single Base Substitutions as Heteroduplex Polymorphisms, Genomics, 12:301-306 (1992).

Applicants: Goelet et al. Serial No.: 09/846,863

Docket: 13020-2-DIV

Information Disclosure Statement – May 15, 2001

Page 5

Frohman, M. et al., Rapid production of full-length cDNAs from rare transcripts: amplification using a single gene-specific oligonucleotide primer, Proc. Natl. Acad Sci. USA, 85:8998-9002 (1988).

Mullis, K., The Unusual Origin of the Polymerase Chain Reaction, Scientific American, April:56-65 (1990).

Mitsuhashi, M. et al., Gene manipulation on plastic plates, Nature, 357:519-520 (1992).

Prober, J. et al., A System for Rapid DNA Sequencing with Fluorescent Chain-Terminating Didoxynucleotides, Science, 238:336-340 (1987).

Kim, C.H. et al., Genomic Variation and Segregation of Equine Infectious Anemia Virus during Acute Infection, J. Virol., 66:3879-3882 (1992).

Biswas, B. et al., Gene Amplification by Polymerase Chain Reaction for Detection of Ehrlichia risticii DNA in Potomac Horse Fever, Annals NY Acad. Sci., 590:582-583 (1990).

Biswas, B. et al., Diagnostic Application of Polymerase Chain Reaction for Detection of Ehrlichia risticii in Equine Monocytic Ehrlichiosis (Potomac Horse Fever), J. Clin. Microbiol., 29:2228-2233 (1991).

Olive, D.M. et al., Detection and differentiation of picornaviruses in clinical samples following genomic amplification, J. Gen. Virol., 71:2141-2147 (1990).

Wheeler, J.G. et al., Investigation of sites of pseudorabies virus latency, using polymerase reaction, Amer. J. Vet. Res., 52:1799-1802 (1991).

Ellengren, H. et al., Cloning of highly polymorphic microsatellites in the horse, Animal Genetics, 23:133-142 (1992).

Lander, S. et al., Strategies for studying heterogeneous genetic traits in humans by using a linkage map of restriction fragment length polymorphisms, Proc. Natl. Acad. Sci. USA, 83:7353-7357 (1986).

Lander, S. et al., Construction of multilocus genetic linkage maps in humans, Proc. Natl. Acad. Sci. USA, 84:2363-2367 (1987).

Donis-Keller, H. et al., A Genetic Linkage Map of the Human Genome, Cell, 51:319-337 (1987).

Lander, S. et al., Mapping Mendelian Factors Underlying Quantitative Traits Using RFLP Linkage Maps, Genetics, 121:185-199 (1989).

Applicants: Goelet et al. Serial No.: 09/846,863

Docket: 13020-2-DIV

Information Disclosure Statement – May 15, 2001

Page 6

Ainsworth et al., "Identification and Characterization of sporadic and inherited mutations in exon 31 of the neurofibromatosis (NF1) gene, Human Genetics, Vol. 19, No. 2, pages 151-156, (1993).

Reiss et al., "Application of the polymerase chain reaction to the diagnosis of human genetic disease", Human Genetics, Vol. 85, No. 1, p.1-8 (1990).

Botstein, David et al., "Construction of a Genetic Linkage Map in Man Using Restriction Fragment Length Polymorphisms", Am J Hum Genet. 32:314-331 (1980).

Gusella, J.F., "DNA Polymorphism and Human Disease", Ann. Rev. Biochem., 55:831-54 (1986).

Sommer et al., "Minimal homology requirements for PCR primers", Nucleic Acids Research, Vol. 17:6749 (1989).

Blum et al., "Molecular mechanism of slow acetylation of drugs and carcinogens in humans", Proc. Natl. Acad. Sci., 88:p.5237-5241 (1991).

Weissenbach, Jean, "A Second Generation Linkage Map of the Human Genome Based on Highly Informative Microsatellite Loci," Gene, 135:275-278 (1993).

Weissenbach, Jean, "Microsatellite Polymorphisms and the Genetic Linkage Map of the Human Genome," Curr. Opin. Genet. Dev., 3:414-417 (1993).

Hearne, Catherine M. et al., "Microsatellites for Linkage Analysis of Genetic Traits," Trends Genet., 8:288-294 (August 1992).

The items listed above are identified on Form PTO 1449 which is submitted with this statement. A copy of each of the items identified above is submitted with this statement.

The attorneys for the Applicants take no position on whether or not any item cited above and listed on Form PTO 1449 constitutes prior art against the subject application under any particular provision of Title 35 of the United States Code.

Applicants: Goelet et al. Serial No.: 09/846,863

Docket: 13020-2-DIV

Information Disclosure Statement - May 15, 2001

Page 7

If a fee is deemed necessary, please charge any payment, or credit any overpayment, to deposit account no. 11-0171.

Respectfully submitted,

Franklin S. Abrams

Registration No. 43,457

Attorney for Applicant(s)

INFORMATION DISCLOSURE CITATION
(Use several sheets recessary)

MAY 1 7 2001

ATTY DOCKET NO.
13020-2-DI

FILING

SERIAL NO.
09/846,863

GROUP

	(MAY 1 7 2001 W)		FILING May 1, 2001	l _e	ROUP 1655 (fr	om parent)
· <u> </u>	/5 2/	U.S	S. PATENT DOCUMENTS				
*EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
INITIAL	4,582,788	04/15/86	Erlich				
	4,683,194	07/28/87	Saiki et al.				
	4,683,195	07/28/87	Mullis et al.				
	5,175,082	12/29/92	Jeffreys				
	4,683,202	07/28/87	Mullis				
	5,234,811	08/10/93	Beutler				
	5,266,459	11/30/93	Beutler				
	5,429,923	07/04/95	Seidman et al.				
	5,200,314	04/06/93	Urdea				
	5,851,762	12/22/98	Simons		<u> </u>		
					<u> </u>		
		FORE	EIGN PATENT DOCUMENTS			,	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES	ATION NO
	EP 0050424	04/28/82	EP				
	EP 0084796	08/03/83	EP				
	EP 0201184	12/17/86	EP				
	EP 0237362	09/16/87	EP				
	EP 0258017	03/02/88	EP				
	OTHER DOCUME		ng Author, Title, Date, Pertinent				
			reening: Isolation and characterizati Gene, 5:111-126 (1979).				
	Clarke et al., Isolation of (1980).	of a yeast centroi	nere and construction of functional si	mall circular	chromosomes,	Nature 287	:504-509
EXAMINER			DATE CONSIDERED				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

					ATTY DOCKET NO. 13020-2-DI		SERIAL NO. 09/	846,863	
IV	IFORM.	ATION DISCLOSURE Jse several sheets if necessity	CITATION						
	,,	MAY 1 7 2001	\$		FILING May 1, 200		GROUP	rom paren	t)
		TELL SEE	y/	S. PATEN	DOCUMENTS	,1	1033 (11	om paren	-
*EXAMINER		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATI	
INITIAL			-	<u> </u>				IF APPROPE	RIATE
			+		Mar				
				<u> </u>					
						_	_		
							*		
		-							
			FOR	EIGN PATI	ENT DOCUMENTS		I		
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION NO
	EP	0370719	05/03/90	EP				123	NO
	UF	 K 2135774	09/05/84	UK			-		
	_	O 91/14003	09/19/91	WIPO					
		O 92/15712	09/17/92	WIPO				 	
	-		02/21/91	WIPO					\ <u></u>
	W	O 91/02087				nt Bagas Etr			
		OTHER DOCUM Skolnick et al., Strateg	•	-	r, Title, Date, Pertiner			RFLPs), Cel	l Genet
		32:58-67 (1982).							
		Mullis et al., Specific e	nzymatic amplifi	cation of I	ONA in vitro: The Polyme 3-273 (1986).	erase Chain Re	eaction, Cold Sp	ring Harbo	r
		Symposia on Quantita	tive Biology, Vol.	LI pp. 26	3-273 (1986).				
EXAMINER			·		DATE CONSIDERED				
*EXAMINER: considered.	Initial if r	eference considered, whet opy of this form with next c	her or not citation i ommunication to a	s in confor pplicant.	mance with MPEP 609; Dra	aw line through	citation if not in	conformance	and not
					<u> </u>				COMMERCE

		7	ĺ	13020-2-DI		09/8	846,863	
l	INFORMATION DESCOSURE	CITATION						
	/	iai y j		FILING		ROUP		
	MAY 1 7 2001 \$			May 1, 2001			om parent	t)
	The state of the s	U.S	. PATENT	DOCUMENTS				
*EXAMINER	DOC SADEM TOMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE	
INITIAL	JOSS MARKET MONIDER						IF APPROPR	HATE
						<u> </u>		
		-	<u> </u>					
						-		
					 			
						-		
			ļ			 		
			 					
		FORE	IGN PATE	ENT DOCUMENTS		<u> </u>	<u> </u>	
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSL	
	<u> </u>		F			 	YES	NO
	FR 2650840	02/15/91	France					
_	WO 91/10748	07/25/91	WIPO					
	WO 90/11369	10/04/90	WIPO					
	WO 90/13668	11/15/90	WIPO					
	WO 89/10414	11/02/89	WIPO					
	OTHER DOCUME	NTS (Includin	ng Autho	r, Title, Date, Pertinent	Pages, Etc.)		
	Armour, J.A.L. et al., R		_	llite biology, FEBS Lett. 3				-
	Jones I et al Idantica	I twin marrow tr	ansplanta	tion for 5 patients with ch	ronic myeloid	leukaemia: Ro	le of DNA	
	finger-printing to confi	rm monozygosity	in 3 cases	tion for 5 patients with ch , Eur. J. haematol. 39:144	I-147 (19 ⁸ 7).			
EXAMINER	<u> </u>			DATE CONSIDERED				
							·	
*EXAMINEI considered.	R: Initial if reference considered, wheth . Include copy of this form with next co	er or not citation is mmunication to ap	in conforr	nance with MPEP 609; Drav	w line through c	itation if not in c	conformance	and not
								COMMERCE

ATTY DOCKET NO.

Form PTO-A820 (also form PTO-1449)

Copyright 1994-97 LegalStar

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

SERIAL NO.

AGE 3

OF

			ATT	Y DOCKET NO. 13020-2-DI		SERIAL NO. 09/3	846,863	
I	INFORMATION DISC (Use several sheet	TOTURE CITATION						
	(Use several shed	ets ii fiecessary	FILI			GROUP	om navent)	7
	(<u> </u>	(AY 1 7 2001 XII)	0 DATENT DOG	May 1, 200	11	1055 (11	om parent)	4
<u></u>	AREA CONTRACTOR OF THE PARTY OF		S. PATENT DOC			T	FILING DATE	\dashv
*EXAMINER INITIAL	DOCUMENT NO	DATE		NAME	CLASS	SUBCLASS	IF APPROPRIATE	\dashv
								_
								_
				<u> </u>				
		FOR	EIGN PATENT D	OCUMENTS				_
			T		01400	CUIDCI ACC	TRANSLATION	
	DOCUMENT NU		 	COUNTRY	CLASS	SUBCLASS	YES NO	
	WO 90/09455	08/23/90	WIPO					
	WO 92/16657	10/01/92	WIPO					
	EP 246864	11/25/87	EP					
	WO 90/01069	02/08/90	WIPO					
	OTHE	R DOCUMENTS (Includ	ing Author, Til	le, Date, Pertiner	nt Pages. Etc	c.)	1	\neg
T	Jeffreys, A.J	. et al., DNA "Fingerprints	-				grees, Amer. J. Hu	m.
	Genet., 39:1	1-24 (1980).						
	Jeffreys, A.J	. et al., Individual-specific	fingerprints of	human DNA, Natur	re, 316:76-79 (1985).		
		•	-					
								_
EXAMINER	t		DA	TE CONSIDERED				
*EXAMINEF	R: Initial if reference consid	lered, whether or not citation	is in conformance	e with MPEP 609; Dra	aw line through	citation if not in o	conformance and no	ot
considered.	. Include copy of this form	with next communication to a	applicant.		····			

Form PTO-A820 (also form PTO-1449)

Copyright 1994 LegalStar

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

PAGE 4 OF

			high the way have been a compared to the property of the property of	
		. ,	Docket Number (Optional) 13020-2-DIV	Application Number 09/846,863
INFC	ormation Oil Cla vire citatio	ON	Applicant(s)	
l	(Use several sheets if nicessary)		Goelet et al. Filing Date	Group Art Unit
	- MAY 1 7 2001		May 1, 2001	Group Art Unit 1655
*EXAMINER INITIAL	Co. May	,	tle, Date, Pertinent Pages, Etc.)	
ALTA & corp	Gray, 17104MA Evolutionary trans 243:241-253 (1991).	sience of hyperv	ariable minisatellites in man an	nd the primates, Proc. R. Soc. Lond.,
	#TU:#T1-#UU (1771).			
			W Manne	All - Al- Tipe of
	Moore, S.S. et al., The Conservation Heterologous PCR Primer Pairs in	n of Dinucleotius Closely Related	e Microsatellites among Mamui i Species, Genomics, 10:654-660	alian Genomes Allows the Use of (1991).
		_		
	Jeffreys, A.J. et al., DNA fingerprin	ats of dogs and c	ats, Anim. Genet., 18:1-15 (198	17).
				:
	Hillel, J. et al., DNA fingerprints of	f poultry, Anim.	Genet., 20:145-155 (1989).	
·				
	Hillel, J. et al., DNA Fingerprints A	pplied to Gene	Introgression in Breeding Progr	rams, Genet., 124:783-789 (1990).
	C. U. Dtl. A Novel Method for	At - Detection 0	S Debumerahie Restriction Sites	by Cleavage of Oligonucleotide Probes:
	Saiki, R. et al., A Novel Method for Application to Sickle-Cell Anemia, I	Biotechnology,	3:1008-1012 (1985).	Dy Cleavage of Ongonucional 110011
	Rudolph, J. et al., Linkage of hyper	kalaemic period	iic paralysis in Quarter horses t	to the horse adult skeletal muscle sodium
	channel gene, Anim. Genet., 23:241-	-250 (1994).		
			· · · · · · · · · · · · · · · · · · ·	
	Ng-Kwai-Hang, K. et al., Identificat	tion of K-Casier + Analysis of Se	a Genotype in Holstein Sires: A men Samples from Sires by Poly	. Comparison Between Analysis of Milk ymerase Chain Reaction, J. Dairy Sci.,
	74:2410-2415 (1991).	* * * * * * * * * * * * * * * * * * *		
	Chala D	C-1-titution	Transductor Dalumarnhic	G
	White, M. et al., Detecting Single Ba	ase Substitution	s as Heterodupiex rolymorphis	ms, Genomics, 12:301-300 (1774).
	Frohman, M. et al., Rapid producti	on of full-length	cDNAs from rare transcripts:	amplification using a single gene-specific
	oligonucleotide primer, Proc. Natl. A	Acad Sci. USA,	85:8998-9002 (1988).	•
	Mullis, K., The Unusual Origin of the	he Polymerase (Chain Reaction, Scientific Amer	cican, April:56-65 (1990).
			· ·	
	Mitsuhashi, M. et al., Gene manipul	lation on plastic	plates, Nature, 357:519-520 (19	992).
			•	!
			DATE CONSIDERED	
EXAMINER		•	DATE CUNSIDERED	
			Con Duny	if not in conformance and
*EXAMINER: Ini- not considered. In	itial if citation considered, whether or not citati nclude copy of this form with next communicati	ion is in conforma ion to applicant.	nce with MPEP Section 609; Draw	w line through citation if not in conformance and

010	13020-2-DI	09/846,863						
INFORMATION INSCLOSURE CITATION (Use several ships if necessary)	Applicant(s) Goelet et al.	Goelet et al.						
MAY 1 7 2001	Filing Date May 1, 2001	Group Art Unit 1655 (from parent)						
, , ,	Author, Title, Date, Pertinent Pages, Etc.)							
INITIAL	A Sequencing with Fluorescent Chain-Terminat	ing Didoxynucleotides, Science,						
Kim, C.H. et al., Genomic Variation and 66:3879-3882 (1992).	Segregation of Equine Infectious Anemia Virus	during Acute Infection, J. Virol.,						
Biswas, B. et al., Gene Amplification by Fever, Annals NY Acad. Sci., 590:582-58	Biswas, B. et al., Gene Amplification by Polymerase Chain Reaction for Detection of Ehrlichia risticii DNA in Potomac HorFever, Annals NY Acad. Sci., 590:582-583 (1990).							
Biswas, B. et al., Diagnostic Application Ehrlichiosis (Potomac Horse Fever), J. C	of Polymerase Chain Reaction for Detection of F Clin. Microbiol., 29:2228-2233 (1991).	Chrlichia risticii in Equine Monocytic						
Olive, D.M. et al., Detection and differen Virol., 71:2141-2147 (1990).	ntiation of picornaviruses in clinical samples follo	owing genomic amplification, J. Gen.						
Wheeler, J.G. et al., Investigation of sites 52:1799-1802 (1991).	s of pseudorabies virus latency, using polymeras	e reaction, Amer. J. Vet. Res.,						
Ellengren, H. et al., Cloning of highly po	olymorphic microsatellites in the horse, Animal C	ienetics, 23:133-142 (1992).						
Lander, S. et al., Strategies for studying length polymorphisms, Proc. Natl. Acad.	heterogeneous genetic traits in humans by using . Sci. USA, 83:7353-7357 (1986).	a linkage map of restriction fragment						
Lander, S. et al., Construction of multilo	ocus genetic linkage maps in humans, Proc. Natl.	Acad. Sci. USA, 84:2363-2367 (1987).						
Donis-Keller, H. et al., A Genetic Linkag	ge Map of the Human Genome, Cell, 51:319-337	(1987).						
121:185-199 (1989).	actors Underlying Quantitative Traits Using RF							
Ainsworth et al., "Identification and Ch (NF1) gene, Human Genetics, Vol. 19, N	aracterization of sporadic and inherited mutatio io. 2, pages 151-156, (1993).	ns in exon 31 of the neurofibromatosis						
EXAMINER	DATE CONSIDERED							
*EXAMINER: Initial if citation considered, whether or not citation is		hrough citation if not in conformance and						

Docket Number (Optional)

Application Number

					13020-2-DIV	09/846,863
INF	ORMA	HON DESCLOSUR Use several sheets if necess	E CITATION	Applicant(s) Goelet et	al.	· · · · · · · · · · · · · · · · · · ·
	1 .	IAY 1 7 2001	ui yj	Filing Date		Group Art Unit 1655 (from parent)
*EXAMINER	厚		ENTS (Including Auth	han Tida Data Barti	May 1, 2001	1055 (Irom parent)
INITIAL	· · · · · · · · · · · · · · · · · · ·	"Application	on of the polymerase c	hain reaction to th	ne diagnosis of human	genetic disease", Human Genetics, Vol.
		85, No. 1, p.1-8 (1990).	on the polymeruse c			9 -11-11-11-11-11-11-11-11-11-11-11-11-11
		Botstein, David et al., " Am J Hum Genet. 32:3	Construction of a Gen 14-331 (1980).	netic Linkage Map	in Man Using Restri	ction Fragment Length Polymorphisms'
		Gusella, J.F., "DNA Po	lymorphism and Hum	nan Disease", Ann	. Rev. Biochem., 55:8:	31-54 (1986).
		Sommer et al., "Minim	al homology requirem	ents for PCR prin	ners", Nucleic Acids I	Research, Vol. 17:6749 (1989).
		Blum et al., "Molecula: 88:p.5237-5241 (1991).	r mechanism of slow a	cetylation of drug	s and carcinogens in l	umans", Proc. Natl. Acad. Sci.,
		Weissenbach, on Highly Inf	Jean, "A Secon ormative Micro	d Generatio satellite L	n Linkage Map oci," Gene, 13	of the Human Genome Based 5:275-278 (1993).
		Weissenbach, of the Human	Jean, "Microsa Genome," Curr.	tellite Pol Opin. Gene	ymorphisms and t. Dev., 3:414	the Genetic Linkage Map -417 (1993).
			rine M. et al. ds Genet., 8:2			nkage Analysis of Genetic
						-
EXAMINER	<u> </u>			DATE CO	NSIDERED	
*EXAMINER: In not considered.	nitial if (Include	citation considered, wheth	er or not citation is in co t communication to appl	nformance with MP	EP Section 609; Draw l	ine through citation if not in conformance an

Docket Number (Optional)

Application Number